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### LISTING OF THE CLAIMS

1           1. (Original) A method for communicating TTY calls,  
2    comprising the steps of:  
3           detecting a TTY call;  
4           determining that a digital display on a first  
5    telecommunication terminal is to be used to display TTY  
6    information of the call from a second telecommunication  
7    terminal and that audio information will be transmitted to the  
8    second telecommunication terminal;  
9           converting the TTY information to digital display  
10   information;  
11          transmitting the digital display information to the first  
12   telecommunication terminal; and  
13          muting an incoming call audio path from the second  
14   telecommunication terminal to the first telecommunication  
15   terminal.

1           2. (Original) The method of claim 1 further comprises the  
2    step of generating the audio information transmitted to the  
3    second telecommunication terminal by a TTY device.

1           3. (Original) The method of claim 2 wherein the step of  
2    generating the audio information comprises the step of  
3    receiving the audio information from at least one of an acoustic  
4    coupler of the TTY device via a handset of the first

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5 telecommunication terminal or an interface of the TTY device  
6 via an analog interface of the first telecommunication terminal.

1 4. (Original) The method of claim 3 further comprises the  
2 step of operating the TTY device and the first  
3 telecommunication terminal in a full duplex mode with respect  
4 to the second telecommunication terminal.

1 5. (Original) The method of claim 2 further comprises the  
2 steps of connecting the first telecommunication terminal to a  
3 telecommunication switching system via a first  
4 telecommunication link and the TTY device to the  
5 telecommunication switching system via a second  
6 telecommunication link; and  
7 transmitting the audio information to the second  
8 telecommunication terminal via the second telecommunication  
9 link.

1 6. (Original) The method of claim 5 further comprises the  
2 step of operating the TTY device and the first  
3 telecommunication terminal in a full duplex mode with respect  
4 to the second telecommunication terminal.

1 7. (Original) The method of claim 6 further comprises the  
2 step of establishing a bridged line appearance between the first  
3 and second telecommunication links.

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1           8. (Original) The method of claim 5 further comprises the  
2 step of operating the TTY device and the first  
3 telecommunication terminal in a full duplex mode with respect  
4 to the second telecommunication terminal.

1           9. (Original) The method of claim 1 further comprises the  
2 step of generating the audio information transmitted from the  
3 first telecommunication terminal to the second  
4 telecommunication terminal by a handset connected to the first  
5 telecommunication terminal.

1           10. (Original) The method of claim 9 further comprises  
2 the step of operating the handset and the first  
3 telecommunication terminal in a voice carry over mode.

1           11. (Original) The method of claim 1 wherein the step of  
2 determining comprises the step of responding to an act of a  
3 user on the first telecommunication terminal.

1           12. (Original) The method of claim 11 wherein the act  
2 occurs during the TTY call.

1           13. (Original) The method of claim 11 wherein the act  
2 occurs before the TTY call.

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1           14. (Original) The method of claim 1 wherein the step of  
2 detecting comprises the step of determining from stored  
3 information that the second telecommunication terminal may be  
4 transmitting TTY information.

1           15. (Original) The method of claim 1 wherein the step of  
2 transmitting comprises the step of using a control path to the  
3 first telecommunication terminal.

1           16. (Original) The method of claim 1 further comprises  
2 the step of enabling an outgoing audio call path from the first  
3 telecommunication terminal to the second telecommunication  
4 terminal on which voice information is communicated from a  
5 handset of the first telecommunication terminal.

1           17. (Original) The method of claim 1 wherein the second  
2 telecommunication terminal is a voice messaging system.

1           18. (Original) The method of claim 17 wherein the step  
2 of determining comprises the step of detecting from information  
3 stored on the voice message system that the second  
4 telecommunication terminal may be transmitting TTY  
5 information.

1           19. (Original) The method of claim 17 wherein the step  
2 of converting is performed by the voice message system.

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1           20. (Original) An apparatus for communicating TTY  
2 calls, comprising:  
3           a computer;  
4           a controller;  
5           a switching network;  
6           a memory;  
7           the computer by execution of a control routine detecting a  
8 TTY call;  
9           the computer by execution of the control routine  
10 determining that a first telecommunication terminal is to display  
11 TTY information received from a second telecommunication  
12 terminal on the digital display of the first telecommunication  
13 terminal;  
14           the controller converting the TTY information to digital  
15 display information; and  
16           the switching network communicating the digital display  
17 information to the first telecommunication terminal, enabling a  
18 first audio call path to the second telecommunication terminal,  
19 and disabling a second audio call path from the second  
20 telecommunication terminal to the first telecommunication  
21 terminal.

1           21. (Original) The apparatus of claim 20 further  
2 comprises a TTY device generating audio information for  
3 communication on the first audio call path to the second  
4 telecommunication terminal.

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1           22. (Original) The apparatus of claim 21 wherein the  
2 TTY device and the first telecommunication terminal operate in  
3 a full duplex mode with respect to the second  
4 telecommunication terminal.

1           23. (Original) The apparatus of claim 22 further  
2 comprises at least one of an acoustic coupler of the TTY device  
3 coupled to the first telecommunication terminal via a handset of  
4 the first telecommunication terminal or an interface of the TTY  
5 device coupled to the first telecommunication terminal via an  
6 analog interface of the first telecommunication terminal to  
7 generate the audio information.

1           24. (Original) The apparatus of claim 22 further  
2 comprises a first telecommunication link connecting the first  
3 telecommunication terminal to a telecommunication switching  
4 system and a second telecommunication link connecting the  
5 TTY device to the telecommunication switching whereby the  
6 audio information is transmitted to the second  
7 telecommunication terminal via the second telecommunication  
8 link.

1           25. (Original) The apparatus of claim 24 further  
2 comprises the telecommunication switching system establishing  
3 a bridged line appearance between the first and second  
4 telecommunication links.

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1           26. (Original) The apparatus of claim 20 further  
2 comprises a handset connected to the first telecommunication  
3 terminal for generating voice information for communication on  
4 the first audio call path from the first telecommunication  
5 terminal to the second telecommunication terminal.

1           27. (Original) The apparatus of claim 26 wherein the  
2 handset and the first telecommunication terminal operate in a  
3 voice carry over mode.

1           28. (Original) The apparatus of claim 20 wherein the  
2 switching network communicating the digital display information  
3 to the first telecommunication terminal via a control path.

1           29. (Original) The apparatus of claim 20 wherein the  
2 computer during execution of the control routine to determine  
3 that a first telecommunication terminal is to display the TTY  
4 information accesses data in the memory.

1           30. (Original) The apparatus of claim 29 wherein the  
2 data stored in the memory was stored in response to an act of a  
3 user on the first telecommunication terminal.

1           31. (Original) The apparatus of claim 30 wherein the act  
2 occurs during the TTY call.

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1           32. (Original) The apparatus of claim 30 wherein the act  
2 occurs before the TTY call.

1           33. (Original) The apparatus of claim 20 further  
2 comprises a voice message system and the voice message  
3 system is the second telecommunication terminal.

1           34. (Canceled).

1           35. (Original) A processor-readable medium for  
2 communicating TTY calls, comprising processor-executable  
3 instructions configured for:  
4           detecting a TTY call;  
5           determining that a digital display on a first  
6 telecommunication terminal is to be used to display TTY  
7 information of the call from a second telecommunication  
8 terminal and that audio information will be transmitted to the  
9 second telecommunication terminal;  
10          converting the TTY information to digital display  
11 information;  
12          transmitting the digital display information to the first  
13 telecommunication terminal; and  
14          muting an incoming call audio path from the second  
15 telecommunication terminal to the first telecommunication  
16 terminal.



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1           36. (Original) The processor-readable medium of claim  
2 35 further comprises generating the audio information  
3 transmitted to the second telecommunication terminal by a TTY  
4 device.

1           37. (Original) The processor-readable medium of claim  
2 36 wherein generating the audio information comprises the step  
3 of receiving the audio information from at least one of an  
4 acoustic coupler of the TTY device via a handset of the first  
5 telecommunication terminal or an interface of the TTY device  
6 via an analog interface of the first telecommunication terminal.

1           38. (Original) The processor-readable medium of claim  
2 37 further comprises operating the TTY device and the first  
3 telecommunication terminal in a full duplex mode with respect  
4 to the second telecommunication terminal.

1           39. (Original) The processor-readable medium of claim  
2 36 further comprises connecting the first telecommunication  
3 terminal to a telecommunication switching system via a first  
4 telecommunication link and the TTY device to the  
5 telecommunication switching system via a second  
6 telecommunication link; and  
7           transmitting the audio information to the second  
8 telecommunication terminal via the second telecommunication  
9 link.

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1           40. (Original) The processor-readable medium of claim  
2 39 further comprises operating the TTY device and the first  
3 telecommunication terminal in a full duplex mode with respect  
4 to the second telecommunication terminal.

1           41. (Original) The processor-readable medium of claim  
2 40 further comprises establishing a bridged line appearance  
3 between the first and second telecommunication links.

1           42. (Original) The processor-readable medium of claim  
2 35 further comprises generating the audio information  
3 transmitted from the first telecommunication terminal to the  
4 second telecommunication terminal by a handset connected to  
5 the first telecommunication terminal.

1           43. (Original) The processor-readable medium of claim  
2 42 further comprises operating the handset and the first  
3 telecommunication terminal in a voice carry over mode.

1           44. (Original) The processor-readable medium of claim  
2 35 wherein the determining comprises responding to an act of a  
3 user on the first telecommunication terminal.

1           45. (Original) The processor-readable medium of claim  
2 44 wherein the act occurs during the TTY call.

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1           46. (Original) The processor-readable medium of claim  
2   44 wherein the act occurs before the TTY call.

1           47. (Original) The processor-readable medium of claim  
2   35 wherein the detecting comprises determining from stored  
3   information that the second telecommunication terminal may be  
4   transmitting TTY information.

1           48. (Original) The processor-readable medium of claim  
2   35 wherein the transmitting comprises using a control path to  
3   the first telecommunication terminal.

1           49. (Original) The processor-readable medium of claim  
2   35 further comprises the enabling an outgoing audio call path  
3   from the first telecommunication terminal to the second  
4   telecommunication terminal on which voice information is  
5   communicated from a handset of the first telecommunication  
6   terminal.

1           50. (Original) The processor-readable medium of claim  
2   35 wherein the second telecommunication terminal is a voice  
3   messaging system.

1           51. (Original) The processor-readable medium of claim  
2   50 wherein the determining comprises detecting from  
3   information stored on the voice message system that the

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4 second telecommunication terminal may be transmitting TTY  
5 information.

1 52. (Original) The processor-readable medium of claim  
2 50 wherein the converting is performed by the voice message  
3 system.